

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 03/11/2015 12:27 PM
Cytometer Baseline: 10/20/2014 10:06 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 51739, **Expiration Date:** 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124207	-1	1.33	124009	1.26
Blue	F	SSC	125000	122432	-3	2.67	123304	2.32
Blue	E	FITC	17374	16583	-5	2.34	933	8.76
Blue	D	PE	22653	21978	-3	1.93	992	7.84
Blue	B	PerCP-Cy5-5	64987	63522	-3	2.69	1681	13.08
Blue	A	PE-Cy7	74081	72704	-2	3.74	951	24.34
Red	C	APC	61430	60652	-2	2.63	3433	7.98
Red	A	APC-Cy7	88289	87176	-2	2.72	1723	7.90
Violet	B	V450	12535	12117	-4	2.90	749	7.22
Violet	A	V500	47468	46538	-2	2.44	2630	5.20

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19952	4.59	592	13	N/A	N/A	Pass
Blue	F	SSC	61132	1.60	502	13	N/A	N/A	Pass
Blue	E	FITC	102	34.21	517	8	0.0259	72	Pass
Blue	D	PE	206	24.55	511	10	0.1894	175	Pass
Blue	B	PerCP-Cy5-5	206	38.72	592	12	0.0112	0	Pass
Blue	A	PE-Cy7	70	96.09	651	14	0.0155	8	Pass
Red	C	APC	320	25.40	574	4	0.0220	0	Pass
Red	A	APC-Cy7	108	38.21	551	5	0.0049	883	Pass
Violet	B	V450	79	38.68	454	5	0.0590	1951	Pass
Violet	A	V500	173	18.63	482	4	0.0160	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.59	47.70 - 71.54	N/A	N/A	-30.85	-30.61	0.87
Blue	20.46	16.35 - 24.53	1.25	1.00 - 1.50	0.00	0.00	1.31
Red	13.88	13.07 - 19.61	N/A	N/A	31.29	31.52	1.12

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 14527

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments